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4	12732	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump	USPAT; US-PGPUB	2004/07/16 09:19
5	9	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump and ehb	USPAT; US-PGPUB	2004/07/16 10:41
6	9	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump and ehb	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:22
7	210	((pressure near5 (release or relief or excess or excessive) or overpressure)) near5 (electronically or electrically or electronic or electric) with pump	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:23
8	27	((pressure near5 (release or relief or excess or excessive) or overpressure)) near5 (electronically or electrically or electronic or electric) with pump same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:47
9	1	6623088.URPN.	USPAT	2004/07/16 09:26
10	11	("3829170" "4043608" "5091857" "5197787" "5445445" "5938297" "6033038" "6033039" "6120112" "6196643" "6364429").PN.	USPAT	2004/07/16 09:26
11	6	((pressure near5 (release or relief or excess or excessive) or overpressure)) near5 (electronically or electrically or electronic or electric) with pump same (accumulator or reservoir) near4 pressure same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:48
12	220	simultaneous\$4 with (open or opening) with (apply or application or inlet) adj2 valve with (release or outlet) adj3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:40
13	21	simultaneous\$4 with (open or opening) with (apply or application or inlet) adj2 valve with (release or outlet) adj3 valve same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:40
14	339	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump same (accumulator or reservoir) near4 pressure same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:48
15	31	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump same (accumulator or reservoir) near4 pressure same brak\$4 same limit\$4 near3 pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:28
17	1	267/161.ccls. and deflect\$4 near4 peripher\$5	USPAT; US-PGPUB	2004/07/16 10:24
18	36	spring adj (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end)	USPAT; US-PGPUB	2004/07/16 09:59
19	42	spring adj (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 09:59
20	1599210	spring near2j (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:00
21	129	spring near2 (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:04
23	6	spring near2 (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end) same (clutch or brak\$4)	USOCR	2004/07/16 10:01
22	14	spring near2 (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end) same (clutch or brak\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:02
24	14	spring near2 (disk or disc or plate) with deflect\$4 near4 (peripher\$5 or end) with both	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:03

25	1765	spring near2 (disk or disc or plate) with deflect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:05
26	51	spring near2 (disk or disc or plate) with deflect\$4 with clutch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:06
27	2	spring near2 (disk or disc or plate) with ends! near4 deflect\$4 with clutch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:08
28	4	spring near2 (disk or disc or plate) with deflect\$4 with clutch with inner with outer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:32
29	0	spring near2 (disk or disc or plate) with deflect\$4 with clutch with inner with outer near5 deflect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:10
30	2	spring near2 (disk or disc or plate) with deflect\$4 with clutch with inner with inner near5 deflect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:10
31	10	(US-5088584-\$ or US-5088583-\$ or US-4949829-\$ or US-4936421-\$ or US-4542813-\$ or US-3838755-\$ or US-4375253-\$ or US-4154325-\$ or US-3866062-\$).did. or (US-20040069589-\$).did.	USPAT; US-PGPUB	2004/07/16 10:15
32	2	(US-3054491-\$ or US-2399886-\$).did.	USOCR	2004/07/16 10:15
33	25	butler.xp. and 188/322.15.ccls. and 267/\$.ccls.	USPAT; US-PGPUB	2004/07/16 10:16
34	2	butler.xp. and 188/322.15.ccls. and piston with belleville	USPAT; US-PGPUB	2004/07/16 10:16
35	74	butler.xp. and 188/322.15.ccls.	USPAT; US-PGPUB	2004/07/16 10:16
36	14	("2060590" "2159289" "3199636" "3256961" "3312312" "3430648" "3605801" "3621951" "3747714" "3791407" "3845782" "4060155" "4088207" "4899855").PN.	USPAT	2004/07/16 10:17
37	13	4972929.URPN.	USPAT	2004/07/16 10:18
38	0	(controllable with (pressure near5 (release or relief or excess or excessive) or overpressure)) with pump same (accumulator or reservoir) near4 pressure same brak\$4 same limit\$4 near3 pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:28
39	6	(controllable with (pressure near5 (release or relief or excess or excessive) or overpressure)) with pump same (accumulator or reservoir) near4 pressure same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:34
40	137	(controllable adj4 (release or relief)) adj valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:30
41	34	(controllable adj4 (release or relief)) adj valve same pump	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:30
42	49	spring near2 (disk or disc or plate) with deflect\$4 with inner with outer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:32
43	14	spring near2 (disk or disc or plate) with deflect\$4 with inner with outer same (clutch or brake or friction\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:32
44	37	((controllable or electric\$4 or electronic\$4) with (pressure near5 (release or relief or excess or excessive) or overpressure)) with valve with pump same (accumulator or reservoir) near4 pressure same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:39

45	43	((controllable or electric\$4 or electronic\$4) with (pressure near5 (release or relief or excess or excessive) or overpressure)) with valve same pump same (accumulator or reservoir) near4 pressure same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:40
46	6	((controllable or electric\$4 or electronic\$4) with (pressure near5 (release or relief or excess or excessive) or overpressure)) with valve same pump same (accumulator or reservoir) near4 pressure same brak\$4) not (((controllable or electric\$4 or electronic\$4) with (pressure near5 (release or relief or excess or excessive) or overpressure)) with valve with pump same (accumulator or reservoir) near4 pressure same brak\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 10:40
47	9	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump and ehb	USPAT; US-PGPUB	2004/07/16 10:42
48	28	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump and kelsey\$.asn.	USPAT; US-PGPUB	2004/07/16 10:43
49	20	((pressure near5 (release or relief or excess or excessive) or overpressure)) with pump and electrohydraulic adj3 brak\$4	USPAT; US-PGPUB	2004/07/16 10:44

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50	215	(electric\$4 or electronic\$4) adj3 ((pressure adj3 (release or relief or excess or excessive) or overpressure))	USPAT; US-PGPUB	2004/07/16 10:49
51	6	(electric\$4 or electronic\$4) adj3 ((pressure adj3 (release or relief or excess or excessive) or overpressure)) same brak\$4	USPAT; US-PGPUB	2004/07/16 10:50
52	3	(electric\$4 or electronic\$4) adj3 ((pressure adj3 (release or relief or excess or excessive) or overpressure)) adj3 valve same brak\$4	USPAT; US-PGPUB	2004/07/16 10:51
54	0	(ehb or electrohydraulic adj brak\$4) same (accumulator or high adj4 reservoir) near4 pressure same (predetrmined or threshold) adj3 pressure with (equal or exceed or above or greater)	USPAT; US-PGPUB	2004/07/16 10:55
55	48	(ehb or electrohydraulic adj brak\$4) same (accumulator or high adj4 reservoir) near4 pressure	USPAT; US-PGPUB	2004/07/16 10:55
56	38	(ehb or electrohydraulic adj brak\$4) same (accumulator or high adj4 reservoir) near4 pressure same valve	USPAT; US-PGPUB	2004/07/16 11:02
57	11	("5000520" "5108265" "5584543" "5791745" "5927832" "6092878" "6203123" "6249736" "6367890" "6389349" "6446490").PN.	USPAT	2004/07/16 10:58
58	11	("4428623" "5544948" "5567021" "5727851" "5845976" "5941608" "5979999" "5992949" "6076897" "6158825" "6192685").PN.	USPAT	2004/07/16 11:00
59	2	(ehb or electrohydraulic adj brak\$4) same (accumulator or high adj4 reservoir) near4 pressure same valve same limit\$4 near3 pressure	USPAT; US-PGPUB	2004/07/16 11:03
60	8	(US-6446490-\$ or US-6389349-\$ or US-6367890-\$ or US-6249736-\$ or US-6203123-\$ or US-5927832-\$ or US-5791745-\$ or US-6402265-\$).did.	USPAT	2004/07/16 11:04
-	3	("20030111898" "5941608" "6189982").PN.	USPAT; US-PGPUB	2004/07/16 08:08
-	547	KELSEY-HAYES.asn. or KELSEYHAYES.asn. (KELSEY.asn. and HAYES.asn.)	USPAT; US-PGPUB	2004/07/16 08:12
-	1255	KELSEY-HAYES.asn. or KELSEYHAYES.asn. (KELSEY.asn. and HAYES.asn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 08:12
-	5	Zheng.in. and Milot.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 08:13
-	0	(Zheng.in. and Milot.in.) and (pressure adj relief or overpressure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 08:14
-	45	(KELSEY-HAYES.asn. or KELSEYHAYES.asn. (KELSEY.asn. and HAYES.asn.)) and (pressure adj relief or overpressure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/16 08:56

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PLUS 7/16/04

Butler, Douglas

From: PLUS
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10721308_LIST.bt



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10721308_CLS.bt



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10721308_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10721308 on March 25, 2004

Original Classifications

6 303/3
6 701/70
5 303/113.2
5 303/155
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4 303/119.2
3 73/121
3 303/113.1
3 303/115.2
3 303/116.1
3 303/117.1
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3 303/9.67
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Cross-Reference Classifications

18 303/15
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 2 303/158
 2 303/186
 2 303/22.1
 2 303/6.01
 2 303/61
 2 303/89
 2 303/9.61
 2 303/9.74
 2 303/901
 2 303/DIG 9
 2 701/110
 2 701/70

2 701/83

Combined Classifications

20 303/15
17 303/20
12 303/3
10 303/113.2
10 303/119.2
8 303/10
8 303/116.1
8 303/116.2
8 701/70
7 303/113.4
7 303/113.5
7 303/115.2
7 303/155
6 303/116.4
6 303/117.1
6 303/7
6 303/71
6 303/900
5 180/197
5 192/13R
5 303/113.1
5 303/115.4
5 303/50
5 303/52
5 303/68
5 303/9.61
4 188/181A
4 188/345
4 188/349
4 192/12C
4 303/158
4 303/2
4 303/9.62
4 303/DIG 4
3 60/581
3 73/121
3 73/129
3 91/434
3 137/596.14
3 137/625.6
3 180/6.2
3 188/195
3 188/352
3 188/DIG 2
3 246/182B
3 303/11
3 303/114.1
3 303/118.1
3 303/119.1
3 303/119.3
3 303/13
3 303/22.1
3 303/40
3 303/61
3 303/84.1
3 303/9

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3 303/9.63
3 303/9.67
3 303/9.68
3 303/9.69
3 303/9.74
3 303/9.75
3 303/DIG 10
3 303/DIG 3
2 60/533
2 60/545
2 60/589
2 60/591
2 73/39
2 137/596.18
2 137/625.68
2 137/625.69
2 137/627.5
2 188/151A
2 188/170
2 188/181R
2 188/264D
2 188/264F
2 188/344
2 188/71.6
2 188/72.1
2 188/72.4
2 188/DIG 1
2 192/85AA
2 244/111
2 246/169R
2 303/1
2 303/114.3
2 303/115.6
2 303/122.03
2 303/122.1
2 303/126
2 303/127
2 303/186
2 303/22.8
2 303/28
2 303/6.01
2 303/89
2 303/9.76
2 303/901
2 303/DIG 9
2 477/130
2 701/110
2 701/83

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Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10721308 on March 25, 2004

20	303/15	(2 OR, 18 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/13	MULTIPLE CONTROL
	303/15	.Fluid and electric
17	303/20	(3 OR, 14 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/20	ELECTRIC CONTROL
12	303/3	(6 OR, 6 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/2	MULTIPLE SYSTEMS
	303/3	.Fluid pressure and electric
10	303/113.2	(5 OR, 5 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/121	SPEED-CONTROLLED
	303/113.1	.Having a valve system responsive to a wheel lock signal
	303/113.2	..With traction control
10	303/119.2	(4 OR, 6 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/121	SPEED-CONTROLLED
	303/113.1	.Having a valve system responsive to a wheel lock signal
	303/119.1	..System controlled by solenoid valve
	303/119.2	...System solenoid valve detail
8	303/10	(1 OR, 7 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/10	WITH PUMP
8	303/116.1	(3 OR, 5 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/121	SPEED-CONTROLLED
	303/113.1	.Having a valve system responsive to a wheel lock signal
	303/116.1	..Including pump with system solenoid valve
8	303/116.2	(2 OR, 6 XR)
	Class 303 :	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
	303/121	SPEED-CONTROLLED
	303/113.1	.Having a valve system responsive to a wheel lock signal
	303/116.1	..Including pump with system solenoid valve
	303/116.2	...Having pressure line isolated from master cylinder line
8	701/70	(6 OR, 2 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/70	.Indication or control of braking,

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acceleration, or deceleration

- 7 303/113.4 (0 OR, 7 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/113.4 ..Including a stroke sensor
- 7 303/113.5 (1 OR, 6 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/113.5 ..With system apportioning control
- 7 303/115.2 (3 OR, 4 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/115.1 ..System controlled by expansible chamber type
modulator
303/115.2 ...Having electric control
- 7 303/155 (5 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/155 .Braking pressure demand or braking force
desire
- 6 303/116.4 (2 OR, 4 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/116.4 ..System pump structure detail
- 6 303/117.1 (3 OR, 3 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/117.1 ..Spool valve
- 6 303/7 (5 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors
303/7 ..Sectional train
- 6 303/71 (0 OR, 6 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/50 MOTORMAN'S VALVES
303/68 .Motor
303/71 ..Fluid-pressure retracting
- 6 303/900 (0 OR, 6 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS

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303/900 ABS THROTTLE CONTROL

- 5 180/197 (0 OR, 5 XR)
 - Class 180 : MOTOR VEHICLES
 - 180/197 WITH MEANS FOR DETECTING WHEEL SLIP DURING
VEHICLE ACCELERATION AND CONTROLLING IT BY REDUCING
APPLICATION OF POWER TO WHEEL
- 5 192/13R (2 OR, 3 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/12R CLUTCH AND BRAKE
 - 192/13R .Vehicle type
- 5 303/113.1 (3 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel
lock signal
- 5 303/115.4 (1 OR, 4 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel
lock signal
 - 303/115.1 ..System controlled by expansible chamber type
modulator
 - 303/115.4 ...Having pump pressure control
- 5 303/50 (1 OR, 4 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/50 MOTORMAN'S VALVES
- 5 303/52 (2 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/50 MOTORMAN'S VALVES
 - 303/52 .Multiple motors
- 5 303/68 (0 OR, 5 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/50 MOTORMAN'S VALVES
 - 303/68 .Motor
- 5 303/9.61 (3 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.61 ..Separate and simultaneous control
- 4 188/181A (0 OR, 4 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/174 .Weight
 - 188/180 ..Regulators
 - 188/181R ...Vehicle
 - 188/181AAcceleration responsive
- 4 188/345 (0 OR, 4 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER

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- 188/151R .Fluid pressure
- 188/152 ..Road vehicle
- 188/345 ...With multiple master cylinders
- 4 188/349 (0 OR, 4 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/151R .Fluid pressure
 - 188/152 ..Road vehicle
 - 188/349 ...With front rear brake apportioner
- 4 192/12C (0 OR, 4 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/12R CLUTCH AND BRAKE
 - 192/12C .Fluid operator
- 4 303/158 (2 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/158 .Pressure reapply control
- 4 303/2 (1 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/2 MULTIPLE SYSTEMS
- 4 303/9.62 (3 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
- 4 303/DIG 4 (0 OR, 4 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/DIG 2 BRAKE CONTROL BY PRESSURE COMPARISON
 - 303/DIG 3 .Electrical pressure sensor
 - 303/DIG 4 ..Pressure signal used in electrical speed controlled braking circuit
- 3 60/581 (0 OR, 3 XR)
 - Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
 - 60/581 ..Plural structurally related master pistons, cylinders or pulsator circuits
- 3 73/121 (3 OR, 0 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/121 BRAKE TESTING
- 3 73/129 (2 OR, 1 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/121 BRAKE TESTING
 - 73/129 .Vehicle installation
- 3 91/434 (0 OR, 3 XR)
 - Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 - 91/418 WITH MOTIVE FLUID VALVE
 - 91/433 .Both inlet and exhaust controlled by motive fluid pressure in supply line or chamber

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- 91/434 ..With manual valve actuating means responsive
 to motive fluid pressure (e.g., "feel")
- 3 137/596.14 (0 OR, 3 XR)
 Class 137 : FLUID HANDLING
 137/561R SYSTEMS
 137/596 ..Supply and exhaust
 137/596.14 ..Pilot-actuated
- 3 137/625.6 (2 OR, 1 XR)
 Class 137 : FLUID HANDLING
 137/561R SYSTEMS
 137/625 ..Multi-way valve unit
 137/625.2 ..Supply and exhaust
 137/625.6 ...Pilot-actuated
- 3 180/6.2 (1 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/6.2 STEERING BY DRIVING
- 3 188/195 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/195 ..Load
- 3 188/352 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/151R ..Fluid pressure
 188/152 ..Road vehicle
 188/352 ...With bleeding or filling device
- 3 188/DIG 2 (0 OR, 3 XR)
 Class 188 : BRAKES
 188/DIG 2 HILL HOLDER
- 3 246/182B (0 OR, 3 XR)
 Class 246 : RAILWAY SWITCHES AND SIGNALS
 246/167R CAB SIGNAL OR TRAIN CONTROL
 246/182R ..Speed-control systems
 246/182B ..Automatic vehicle-carried braking
- 3 303/11 (1 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/10 WITH PUMP
 303/11 ..Pressure control
- 3 303/114.1 (1 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/113.1 ..Having a valve system responsive to a wheel
 lock signal
 303/114.1 ..Including hydraulic power booster
- 3 303/118.1 (0 OR, 3 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/113.1 ..Having a valve system responsive to a wheel
 lock signal

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- 303/118.1 ..Pneumatic (relay or motorman) type

- 3 303/119.1 (1 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/119.1 ..System controlled by solenoid valve

- 3 303/119.3 (2 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/119.1 ..System controlled by solenoid valve
 - 303/119.3 ...Housing for plural solenoids

- 3 303/13 (1 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/13 MULTIPLE CONTROL

- 3 303/22.1 (1 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/22.1 LOAD CONTROL

- 3 303/40 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/28 AUTOMATIC
 - 303/40 .Application valve

- 3 303/61 (1 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/50 MOTORMAN'S VALVES
 - 303/61 .Intermittent

- 3 303/84.1 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/84.1 FLOW RETARDER

- 3 303/9 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9 ..Supplementary in emergency

- 3 303/9.63 (2 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.63 ...Failure responsive

- 3 303/9.67 (3 OR, 0 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.67 ...Inertia

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- 3 303/9.68 (2 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.67 ...Inertia
 - 303/9.68Inertia weight
- 3 303/9.69 (2 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.69 ...Load
- 3 303/9.74 (1 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.73 ...Having significant output feature
 - 303/9.74Multiple outlets
- 3 303/9.75 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 - 303/6.01 .Multiple motors
 - 303/9.62 ..Apportioning control
 - 303/9.75 ...Detail
- 3 303/DIG 10 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/DIG 10 VALVE BLOCK INTEGRATING PUMP, VALVES, SOLENOID, ACCUMULATOR, ETC.
- 3 303/DIG 3 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/DIG 2 BRAKE CONTROL BY PRESSURE COMPARISON
 - 303/DIG 3 .Electrical pressure sensor
- 2 60/533 (2 OR, 0 XR)
 - Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
- 2 60/545 (0 OR, 2 XR)
 - Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
 - 60/545 ..Having electricity or magnetically operated structure
- 2 60/589 (0 OR, 2 XR)
 - Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
 - 60/585 ..Holder for reserve liquid feeds master
 - 60/589 ...Master piston or its actuator mechanically operates valve between holder and master cylinder

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- 2 60/591 (0 OR, 2 XR)
 - Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
 - 60/591 ..Having valve, director, or restrictor in
pulse fluid flow path

- 2 73/39 (0 OR, 2 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/37 WITH FLUID PRESSURE
 - 73/39 .Fluid pressure brake system or unit

- 2 137/596.18 (0 OR, 2 XR)
 - Class 137 : FLUID HANDLING
 - 137/561R SYSTEMS
 - 137/596 .Supply and exhaust
 - 137/596.17 ..Motor
 - 137/596.18 ...Fluid motor

- 2 137/625.68 (0 OR, 2 XR)
 - Class 137 : FLUID HANDLING
 - 137/561R SYSTEMS
 - 137/625 .Multi-way valve unit
 - 137/625.2 ..Supply and exhaust
 - 137/625.25 ...Reciprocating valve
 - 137/625.67Piston valve
 - 137/625.68With internal flow passage

- 2 137/625.69 (1 OR, 1 XR)
 - Class 137 : FLUID HANDLING
 - 137/561R SYSTEMS
 - 137/625 .Multi-way valve unit
 - 137/625.2 ..Supply and exhaust
 - 137/625.25 ...Reciprocating valve
 - 137/625.67Piston valve
 - 137/625.69With annular passage (e.g., spool)

- 2 137/627.5 (0 OR, 2 XR)
 - Class 137 : FLUID HANDLING
 - 137/561R SYSTEMS
 - 137/627.5 .Sequentially closing and opening alternately
seating flow controllers

- 2 188/151A (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/151R .Fluid pressure
 - 188/151A ..Safety devices

- 2 188/170 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/166 .Spring
 - 188/170 ..Fluid-pressure release

- 2 188/181R (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER

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- 188/174 .Weight
- 188/180 ..Regulators
- 188/181R ...Vehicle

- 2 188/264D (1 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/264R .Cooling and lubricating
 - 188/264D ..Liquid cool

- 2 188/264F (1 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/264R .Cooling and lubricating
 - 188/264F ..Operating fluid cooling

- 2 188/344 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/151R .Fluid pressure
 - 188/152 ..Road vehicle
 - 188/344 ...Velocipede

- 2 188/71.6 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/71.6 ..With means for cooling brake

- 2 188/72.1 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/72.1 ..With means for actuating brake element

- 2 188/72.4 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/72.1 ..With means for actuating brake element
 - 188/72.4 ...By fluid pressure piston

- 2 188/DIG 1 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/DIG 1 PANIC BRAKING

- 2 192/85AA (0 OR, 2 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/82R .Operators
 - 192/85R ..Fluid pressure
 - 192/85AA ...Axially engaging clamping rotating motor and clutch

- 2 244/111 (0 OR, 2 XR)
 - Class 244 : AERONAUTICS

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- 244/110R RETARDING AND RESTRAINING DEVICES
244/111 .Wheel brake arrangement
- 2 246/169R (0 OR, 2 XR)
Class 246 : RAILWAY SWITCHES AND SIGNALS
246/167R CAB SIGNAL OR TRAIN CONTROL
246/169R .Train defect
- 2 303/1 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/1 MISCELLANEOUS
- 2 303/114.3 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/114.3 ..Including pneumatic power booster
- 2 303/115.6 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/115.1 ..System controlled by expansible chamber type
modulator
303/115.6 ...Including flywheel control (e.g., motorcycle
type)
- 2 303/122.03 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/122 .With failure responsive means
303/122.03 ..Failure related to brake condition (e.g.,
wear, sensor or switch operation) with indicator
- 2 303/122.1 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/122 .With failure responsive means
303/122.09 ..Pressure failure
303/122.1 ...With warning
- 2 303/126 (2 OR, 0 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/125 .Automatic braking including speed governor or
hydraulic retarder
303/126 ..Aircraft
- 2 303/127 (2 OR, 0 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/127 .Pneumatic
- 2 303/186 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/186 .Front-rear axle apportioning or speed

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difference

2 303/22.8 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/22.1 LOAD CONTROL
303/22.8 .Detail

2 303/28 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/28 AUTOMATIC

2 303/6.01 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors

2 303/89 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/89 LOCKS

2 303/9.76 (2 OR, 0 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors
303/9.76 ..Spring operated motor

2 303/901 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/901 ABS CHECK VALVE DETAIL

2 303/DIG 9 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/DIG 9 PLURAL PROCESSORS

2 477/130 (1 OR, 1 XR)
Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
477/34 TRANSMISSION CONTROL
477/115 .Transmission controlled by engine
477/121 ..By input manifold pressure or engine fuel
control
477/127 ...Shift valve control
477/130Plural shift valves

2 701/110 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/99 .With indicator or control of power plant
(e.g., performance)
701/101 ..Internal-combustion engine
701/102 ...Digital or programmed data processor
701/110Speed, acceleration, deceleration

2 701/83 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR

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INDICATION

701/70	.Indication or control of braking, acceleration, or deceleration
701/82	..Antispin, traction control, or drive slip control
701/83	...Control of brake pressure